

## P301 PR-IWSYA 75 HP Primary

Report generated on: 9/22/2004 10:42 AM

Acquired: 9/22/2004 10:42 AM 1 xM = 3585 RPM Averages: 6

Figure of Merit = 360.

Maximum level: 108 (-3) VdB at 2xM on 1A in low range

### **RECOMMENDATIONS:**

**IMPORTANT: REPLACE MOTOR DRIVE END BEARING**

### **DIAGNOSES:**

**SERIOUS MOTOR DRIVE END BEARING WEAR**

SLIGHT MOTOR DRIVE END BALL BEARING DEMOD

### **POSITION LEGEND:**

POSITION 1 IS: MOTOR FREE END

POSITION 2 IS: MOTOR COUPLED END

POSITION 3 IS: PUMP COUPLED END

## PI02 PR-KLY 60 HP Primary

Report generated on: 9/22/2004 1046 AM

Acquired: 9/22/2004 1046 AM 1xM = 3595 RPM Averages: 3

Figure of Merit = 607.

Maximum level: 122 (+7) VdB at 2xM on 3T in low range

### **RECOMMENDATIONS:**

**IMPORTANT: REPLACE MOTOR DRIVE END BEARING**

### **DIAGNOSES:**

**SERIOUS MOTOR DRIVE END BEARING LOOSENESS**

SLIGHT MOTOR FREE END BEARING NOISE

SLIGHT MOTOR DRIVE END BALL BEARING DEMOD

### **POSITION LEGEND:**

POSITION 1 IS: MOTOR FREE END

POSITION 2 IS: MOTOR COUPLED END

POSITION 3 IS: PUMP COUPLED END

## P515 SR-18A Primary

Report generated on: 9/24/2004 121 0 PM

Acquired: 9/24/2004 12:10 PM 1xM = 3585 RPM Averages: 9

Figure of Merit = 567.

Maximum Level: 111 (+6) VdB at CxM on 3R in low range

### **RECOMMENDATIONS:**

**IMPORTANT: REPLACE MOTOR FREE END BEARING**

**IMPORTANT: REPLACE MOTOR DRIVE END BEARING**

### **DIAGNOSES:**

**SERIOUS MOTOR DRIVE END BEARING LOOSENESS**

**SERIOUS MOTOR FREE END BEARING LOOSENESS**

SLIGHT ANGULAR MISALIGNMENT

### **POSITION LEGEND:**

POSITION 1 IS: MOTOR FREE END

POSITION 2 IS: MOTOR COUPLED END

POSITION 3 IS: PUMP COUPLED END

### P-VC-28-A 5 HP Primary

Report generated on: 9/22/2004 03:51 PM

Acquired: 9/22/2004 03:51 PM IxM = 1765 RPM Averages: 8

Figure of Merit = 230.

Maximum level: 100 (+17) VdB at 3xM on 2T in low range

#### **RECOMMENDATIONS:**

**IMPORTANT: CHECK MOTOR BEARINGS FOR IMPROPER FIT.**

#### **DIAGNOSES:**

**SERIOUS MOTOR BEARING LOOSENESS**

#### **POSITION LEGEND:**

POSITION 2 IS: MOTOR COUPLED END

POSITION 3 IS: PUMP COUPLED END

### P-VC-20-B 5 HP Secondary

Report generated on: 8/13/2004 09:40 AM

Acquired: 8/13/2004 09:40 AM I xM = 1 765 RPM Averages: 8

Figure of Merit = 310.

Maximum level: 122 (+23) VdB at 4.09xM on 2T in low range

#### **RECOMMENDATIONS:**

**IMPORTANT: PERFORM MOTOR ELECTRICAL CHECKS AND MONITOR MOTOR FOR INCREASED VIBRATION**

#### **DIAGNOSES:**

**SERIOUS MOTOR WINDING FAULT OR ELECTRICAL PHASE IMBALANCE**

**SLIGHT PUMP BALL BEARING WEAR**

**SLIGHT MOTOR BEARING WEAR**

#### **POSITION LEGEND:**

POSITION 2 IS: MOTOR COUPLED END

POSITION 3 IS: PUMP COUPLED END